

# CLAIMS

- 1 1. A cloned cDNA segment encoding a cell surface antigen  
2 selected from the group consisting of CD1a, CD1b, CD1c,  
3 CD2, CD6, CD7, CD13, CD14, CD16, CD19, CD20, CD22, CD26,  
4 CD27, CD31, CD2w32a, CDw32b, CD33, CD34, CD36, CD37, CD38,  
5 CD39, CD40, CD43, and functional derivatives thereof.
- 1 2. A substantially pure protein selected from the group  
2 consisting of CD1a, CD1b, CD1c, CD2, CD6, CD7, CD13, CD14,  
3 CD16, CD19, CD20, CD22, CD26, CD27, CD31, CD2w32a, CDw32b,  
4 CD33, CD34, CD36, CD37, CD38, CD39, CD40, CD43, and  
5 functional derivatives thereof.
3. Substantially pure protein having the amino acid sequence  
shown in Figure 2, or a functional derivative thereof.
4. Substantially pure human CD2 antigen, or a functional  
derivative thereof.
5. Substantially pure cDNA comprising the nucleotide sequence  
shown in Figure 2, or a functional derivative thereof.
6. Substantially pure human CD7 antigen, or a functional  
derivative thereof.
- 1 7. Substantially pure cDNA comprising the nucleotide sequence  
2 shown in Figure 8, or a functional derivative thereof.
- 1 8. Substantially pure protein having the amino acid sequence  
2 shown in Figure 8, or a functional derivative thereof.
- 1 9. Substantially pure CDw32a antigen, or a functional  
2 derivative thereof.
- 1 10. Substantially pure CDw32b antigen, or a functional  
2 derivative thereof.

- 1 11. Substantially pure CD20 antigen, or a functional derivative  
2 thereof.
- 1 12. Substantially pure ~~CD19~~ antigen, or a functional derivative  
2 thereof.
- 1 13. Substantially pure CD22 antigen, or a functional derivative  
2 thereof.
- 1 14. Substantially pure ~~CD40~~ antigen, or a functional derivative  
2 thereof.
- 1 15. Substantially pure cDNA comprising the nucleotide sequence  
2 shown in Figure 15, or a functional derivative thereof.
- 1 16. Substantially pure cDNA comprising the nucleotide sequence  
2 shown in Figure 16, or a functional derivative thereof.
- 1 17. Substantially pure cDNA comprising the nucleotide sequence  
2 shown in Figure 13, or a functional derivative thereof.
- 1 18. Substantially pure ~~cDNA~~ comprising the nucleotide sequence  
2 shown in Figure 12, or a functional derivative thereof.
- 1 19. Substantially pure cDNA comprising the nucleotide sequence  
2 shown in Table 4, or a functional derivative thereof.
- 1 20. Substantially pure ~~cDNA~~ comprising the nucleotide sequence  
2 shown in Figure 17, or a functional derivative thereof.
- 1 21. Substantially pure protein having the amino acid sequence  
2 shown in Figure 10, or a functional derivative thereof.
- 1 22. Substantially pure protein having the amino acid sequence  
2 shown in Table 4, or a functional derivative thereof.

- 1 23. Substantially pure CD27 antigen, or a functional derivative  
2 thereof.
- 1 24. Substantially pure cDNA comprising the nucleotide sequence  
2 shown in Table 5, or a functional derivative thereof.
- 1 25. Substantially pure protein having the amino acid sequence  
2 shown in Table 5, or a functional derivative thereof.

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